

FEBRUARY 2013

Summary of the records of Temperature, Rainfall and Sunshine February 2013

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Cape Reinga AWS	214	23.1	16.1	19.6	-0.1	25.4	24	12.9	6	17	12	-48	5	4	..
Kaitaia Aero EWS	80	24.7	14.6	19.7	-0.4	26.2	24	11.6	7	7	3	-114	5	4	..
Kaitaia Observatory	85	24.9	14.5	19.7	..	26.9	19	11.0	7	14	4	-79	10	4	220
Kaitaia EWS	85	24.5	14.6	19.6	-0.3	26.8	21	10.9	7	12	2	-97	10	4	211
Kerikeri EWS	79	24.7	14.0	19.4	-0.3	..	..	10.7	10	53	7	-67	34	3	..
Kerikeri Aerodrome Aw	150	23.7	13.9	18.8	-0.7	27.0	13	10.2	7	59	8	-58	35	3	..
Kaikohe AWS	204	25.4	15.1	20.3	+1.3	33.0	18	10.4	6	39	10	-67	19	3	..
Trounson Cws	220	22.5	12.1	17.3	..	26.4	4	6.5	7	12	9	-92	7	4	..
Dargaville 2 EWS	66	24.3	14.6	19.5	+0.0	27.7	18	9.3	7	11	5	-79	9	4	219
Purerua AWS	82	23.1	15.4	19.3	..	24.5	15	12.1	7	19	9	..	8	4	..
Whangarei Aero AWS	37	24.3	15.5	19.9	-0.3	27.4	13	10.9	7	17	6	-81	12	3	..
Mokohinau AWS	60	23.3	17.8	20.6	+0.3	25.1	22	14.9	6	..	..	..	..	..	..
Leigh 2	27	26.3	16.4	21.4	+1.3	29.5	19	12.9	6	6	2	-64	4	4	..
Warkworth EWS	72	23.3	12.9	18.1	-0.8	25.0	12	8.1	7	17	3	-71	10	3	..
Whangaparaoa AWS	89	24.1	16.5	20.3	+0.1	26.7	21	11.8	6	5	2	-52	3	4	..
Auckland, Whenuapai A	26	24.6	13.4	19.0	-0.5	26.1	2	8.8	7	..	..	..	..	..	..
North Shore, Auckland	20	23.7	16.6	20.2	-0.2	..	..	..	..	..	..	..	..	..	..
Auckland, North Shore	64	23.9	14.7	19.3	..	25.6	22	10.3	7	23	2	..	15	3	241
Auckland, Henderson,	7	25.8	14.0	19.9	-0.1	28.1	23	9.5	7	58	3	-12	43	3	..
Lincoln Rd, Auckland	25	24.1	14.8	19.5	+0.0	26.0	22	10.6	7	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	23.5	15.6	19.6	+0.0	25.8	12	9.1	6	..	..	..	..	..	..
Waiheke Island, Awaro	34	25.5	12.6	19.1	..	27.2	22	8.2	7	14	2	-61	8	3	..
Whitianga Aero AWS	5	23.8	13.9	18.9	-0.4	26.3	9	7.8	6	35	4	-77	17	3	..
Paeroa AWS	18	25.6	12.8	19.2	-0.6	28.0	21	5.5	6	27	2	-58	26	4	..
Toenepi EWS	48	26.0	11.6	18.8	-0.4	28.4	18	7.7	6	14	2	..	13	4	..
Matamata, Hinuera EWS	106	25.9	10.5	18.2	-0.2	28.5	18	5.3	6	..	..	..	..	..	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	275
Tauranga Aero AWS	4	24.6	15.0	19.8	+0.0	27.4	16	10.3	6	31	5	-55	20	4	..
Te Puke EWS	91	24.5	12.7	18.6	-0.1	27.4	9	7.2	6	52	4	-63	35	4	..
Whakatane Aero AWS	7	24.8	12.9	18.9	-0.3	27.2	28	7.3	24	11	4	-72	5	4	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	291
White Island AWS	310	22.6	15.6	19.1	..	..	..	..	..	..	..	..	..	..	..
Mamaku Radar Wxt AWS	617	20.2	11.5	15.9	..	23.5	17	6.6	6	..	..	..	..	..	..
Kawerau AWS	42	26.5	12.9	19.7	..	29.2	10	6.0	6	..	..	..	..	..	261
Rotorua Aero AWS	283	24.1	11.1	17.6	-0.3	26.7	10	5.4	7	..	..	..	..	..	..
Galatea AWS	174	24.6	11.4	18.0	..	28.5	10	6.1	7	..	..	..	..	..	..
Taupo Wxt AWS	385	23.8	12.3	18.1	..	27.4	10	6.1	6	..	..	..	..	..	..
Tarapounamu EWS	701	21.4	9.0	15.2	..	28.2	9	2.7	7	29	5	..	17	4	..
Taupo AWS	400	23.8	10.3	17.1	+0.0	26.3	10	1.8	6	18	3	-51	16	4	..
Motu EWS	488	21.6	10.1	15.9	+0.1	26.7	10	5.2	20	64	7	-63	34	4	..
Otamatuna, Te Mapou H	624	21.0	9.9	15.5	..	25.3	10	4.7	6	65	6	..	50	4	..
Auckland, Mangere EWS	5	24.0	15.7	19.9	-0.1	..	..	..	..	..	..	..	..	..	..
Pakuranga, Auckland R	15	25.6	14.7	20.2	+0.5	27.8	27	9.9	6	..	..	..	..	..	..
Penrose Ews, Auckland	30	23.4	14.4	18.9	-1.2	25.8	23	9.8	6	..	..	..	..	..	..
Auckland Aero	33	24.6	15.7	20.2	-0.1	27.8	3	11.1	6	25	3	-46	13	4	..
Auckland, Ardmore	23	25.9	11.2	18.6	-0.6	28.1	27	7.0	10	23	4	-51	11	4	..
Pukekohe EWS	88	24.3	13.5	18.9	-0.2	26.7	3	8.1	6	34	3	-30	17	4	..
Firth Of Thames EWS	1	27.0	11.0	19.0	..	28.6	3	5.0	6	17	2	..	17	4	..
Whatawhata 2 EWS	118	25.3	11.9	18.6	-0.1	29.4	3	5.0	6	54	3	-28	30	3	..
Hamilton, Ruakura 2 E	45	27.5	10.3	18.9	+0.1	30.8	19	4.8	6	20	2	-50	11	4	253
Hamilton AWS	53	26.2	10.5	18.4	-0.4	29.0	19	5.2	6	23	4	-51	11	4	..
Lake Karapiro Cws	55	24.8	13.4	19.1	..	27.7	19	6.7	6	14	3	..	11	4	..
Port Taharoa AWS	27	24.2	15.0	19.6	-0.1	29.0	3	9.1	6	18	3	..	13	4	..
Waikeria 2	46	26.8	11.4	19.1	+0.2	30.2	19	5.3	6	29	2	-40	16	4	..
Te Kuiti EWS	62	25.6	10.3	18.0	-0.7	28.4	19	4.3	6	46	4	-47	28	4	251
Pureora Forest Cws	549	22.1	8.9	15.5	..	26.5	19	1.2	6	30	10	..	20	4	..
Taumarunui	171	25.1	11.8	18.5	+0.3	28.1	3	4.6	6	40	5	-56	24	4	..
Taumarunui AWS	195	26.5	9.7	18.1	..	30.1	19	2.4	6	49	6	..	30	4	254
Turangi 2 EWS	350	24.5	9.4	17.0	-0.2	27.6	19	2.3	7	31	3	-78	22	4	269
New Plymouth AWS	30	22.7	12.5	17.6	-0.5	26.7	24	6.5	6	30	2	-66	18	4	330
Mt Ruapehu, Chateau E	1097	20.6	6.3	13.5	+0.9	24.2	19	-1.1	6	77	5	-90	65	4	..
Pahiatua EWS	110	21.6	7.9	14.8	..	26.0	26	1.5	24	33	2	..	32	4	..
Alfredton Raws	240	24.1	9.0	16.6	..	29.3	1	1.9	24	40	4	..	38	4	..

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		A Max	B Min			°C	°C	°C	Date				Min	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C		mm		mm	mm	Hrs	
Masterton Aero AWS	138	25.8	9.7	17.8	..	32.2	1	6.3	24	39	4	..	31	4	..
Masterton, Te Ore Ore	110	27.1	10.3	18.7	..	33.5	2	6.8	8	32	4	-27	27	4	..
Kopua	311	23.8	10.6	17.2	+0.2	30.3	1	6.5	24	49	2	-27	45	4	..
Takapau Plains AWS	330	23.5	9.3	16.4	-0.4	30.6	1	5.2	24	39	6	..	33	4	..
Dannevirke	207	24.6	9.8	17.2	-0.2	29.5	20	3.0	8	35	3	-47	28	4	270
Dannevirke EWS	207	24.9	10.4	17.7	..	29.8	20	5.6	24	34	3	..	28	4	265
Waione Raws	48	25.7	10.3	18.0	-0.5	33.3	1	5.3	19	19	2	-41	17	4	..
Cape Turnagain AWS	292	18.2	13.7	16.0	..	24.0	3	9.1	6	..	..	..	..	..	..
Akitio EWS	245	21.6	12.4	17.0	..	27.4	2	8.2	6	33	3	..	26	4	272
Castlepoint Station	9	21.6	13.9	17.8	-0.4	28.4	2	10.5	5	38	2	-36	34	3	..
Castlepoint AWS	120	20.9	14.2	17.6	-0.4	27.6	3	9.0	6	36	4	-24	31	4	..
Baring Head	79	19.7	13.9	16.8	..	23.9	20	10.2	26	29	2	..	28	4	..
Te Wharau, Brackenfe	292	24.0	10.0	17.0	..	31.2	1	6.9	8	50	3	..	45	4	..
Martinborough EWS	20	24.5	9.4	17.0	-0.7	30.1	1	3.4	23	59	3	..	56	4	267
Ngawi AWS	6	22.7	14.1	18.4	-0.1	28.6	1	11.0	5	42	2	..	40	4	..
Hicks Bay AWS	46	23.2	15.6	19.4	+0.3	24.8	17	12.0	9	33	8	-88	22	4	..
Gisborne AWS	5	23.6	12.7	18.2	-0.9	29.2	3	8.5	20	15	7	-53	10	5	236
Gisborne EWS	12	27.7	15.8	21.8	..	33.2	11	11.6	20	12	6	..	8	5	..
Tolaga Bay Wxt AWS	12	20.9	13.9	17.4	..	25.0	13	9.0	9	..	..	..	..	..	..
Tutira Cws	235	22.3	11.4	16.9	..	28.3	4	7.7	6	36	6	..	22	4	..
Napier Aero AWS	3	23.3	12.7	18.0	-0.7	31.8	4	8.7	20	14	2	-47	10	4	..
Napier Nelson Pk	2	23.5	13.5	18.5	-0.9	30.6	4	9.7	6	14	3	-40	10	4	234
Hastings AWS	16	24.1	12.9	18.5	..	31.0	4	8.4	6	9	2	..	7	4	..
Waipawa EWS	130	24.3	10.9	17.6	..	30.0	1	7.7	20	24	2	..	16	4	242
Wairoa, North Clyde E	15	23.6	12.4	18.0	-0.9	30.0	4	8.6	27	44	6	-50	28	5	..
Mahia Radar Wxt AWS	419	18.6	13.6	16.1	..	23.6	4	9.4	6	..	..	..	..	..	..
Mahia AWS	136	20.8	14.1	17.5	-0.8	25.7	4	10.1	14	34	7	-52	22	5	..
Cape Kidnappers Wxt A	118	19.7	15.9	17.8	..	24.7	4	9.9	6	..	..	..	..	..	..
Paraparaumu Aero	5	21.6	11.9	16.8	-0.6	25.3	3	6.1	26	67	4	+2	64	4	272
Paraparaumu Aero AWS	5	21.5	12.0	16.8	-0.6	25.4	3	6.2	26	66	3	+2	66	4	287
Ohakea AWS	50	23.1	12.5	17.8	..	..	..	6.3	6	..	..	..	..	..	..
Palmerston North AWS	39	24.7	11.8	18.3	+0.1	29.3	19	4.9	7	29	2	-42	29	4	..
Palmerston North EWS	21	23.9	12.5	18.2	+0.0	28.3	19	5.5	6	34	2	-42	34	4	252
Levin AWS	14	22.7	11.3	17.0	-0.8	26.9	28	5.1	23	64	4	-21	56	4	..
Mana Island	2	21.7	13.7	17.7	-0.2	25.4	3	8.6	8	63	4	-3	62	4	..
Mana Island AWS	100	18.6	13.6	16.1	..	21.5	3	10.3	8	68	4	..	67	4	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	281
Wellington, Kelburn A	125	20.9	13.7	17.3	+0.1	24.5	28	10.0	5	66	6	-5	62	4	..
Wellington Aero	4	21.1	14.5	17.8	-0.2	25.3	3	10.8	19	54	4	-7	50	4	..
Wallaceville EWS	56	22.7	8.7	15.7	-1.5	26.5	20	3.5	23	67	4	-9	66	4	245
Stratford EWS	300	21.8	10.7	16.3	+0.0	24.9	3	7.9	7	64	3	-68	52	4	271
Hawera AWS	98	21.1	11.4	16.3	-0.6	24.9	2	5.0	19	43	3	-30	36	4	..
Ohakune EWS	607	23.4	9.0	16.2	+0.8	27.6	3	4.1	7	35	4	-50	30	4	256
Waiouru Treatment Pla	806	..	7.4	..	..	..	..	1.5	7	25	5	-44	23	4	..
Waiouru Airstrip AWS	818	20.4	6.3	13.4	..	25.6	19	0.3	7	23	6	..	20	4	..
Taihape Rec	433	25.4	8.6	17.0	+0.3	29.8	3	..	..	28	5	-32	23	4	..
Flat Hills Wxt AWS	263	23.0	11.0	17.0	..	27.7	28	5.1	6	..	..	..	..	..	..
Wanganui,Spriggins Pa	15	22.7	13.2	18.0	-0.4	27.3	3	7.5	6	64	3	-13	49	4	..
Wanganui AWS	8	21.4	12.9	17.2	-0.9	25.0	4	8.1	6	44	3	-10	28	4	..
Wanganui 2 AWS	18	22.8	12.4	17.6	..	26.4	25	6.9	6	..	..	..	..	..	..
Takaka EWS	20	23.2	11.0	17.1	-0.3	26.6	11	7.3	19	39	3	-79	27	4	231
Farewell Spit AWS	3	22.2	14.5	18.4	+0.3	24.2	3	11.1	6	26	3	-43	14	3	..
Westport Aero AWS	2	21.6	12.1	16.9	+0.2	23.3	27	8.0	6	41	5	-87	36	4	..
Arapito	18	21.7	10.9	16.3	-0.7	24.3	3	7.6	19	19	4	-124	16	4	214
Arapito EWS	18	21.8	10.8	16.3	..	24.4	3	7.5	19	18	5	..	16	4	..
Murchison Raws	185	26.5	9.6	18.1	+0.2	32.4	1	2.9	6	48	3	..	48	4	..
Hokitika Aero	39	20.2	11.5	15.9	-0.1	22.5	3	6.0	14	31	5	-158	17	4	211
Hokitika AWS	38	20.3	11.7	16.0	+0.0	22.5	3	6.2	14	28	4	-176	21	4	247
Reefton EWS	198	25.0	10.9	18.0	+1.0	29.6	1	3.9	6	37	2	-69	37	4	255
Blackball	35	24.9	10.7	17.8	..	28.2	22	..	..	42	..	..	..	..	..
Greymouth Aero	4	20.7	12.7	16.7	+0.3	22.0	3	9.3	20	36	5	-125	30	4	205
Greymouth Aero EWS	5	20.0	12.6	16.3	..	21.8	3	9.1	20	39	5	..	30	4	245
Pigeon Creek Cws	105	22.1	11.3	16.7	..	25.6	22	5.5	14	45	5	..	36	4	..

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		A Max	B Min			Max	Date	Min	Date				Fall		Date
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Mt Philistine EWS	1655	13.9	6.6	10.3	..	21.0	10	-2.4	5	84	6	..	71	4	..
Ivory Glacier Cws	1390	13.4	6.2	9.8	..	17.8	10	0.0	1	142	5	..	77	4	..
Okarito	2	19.7	11.4	15.6	-0.6	21.8	3	7.3	6	87	4	-141	60	4	..
Franz Josef	155	..	10.0	..	..	..	..	..	..	138	..	-249	..	..	..
Franz Josef EWS	80	20.8	10.6	15.7	+0.2	25.0	1	5.9	6	114	4	..	71	4	227
Haast AWS	5	19.3	10.7	15.0	+0.1	22.0	21	7.6	15	75	6	..	46	3	..
Milford Sound	3	20.2	11.2	15.7	+0.9	23.2	2	7.7	7	76	7	-379	44	3	..
Milford Sound AWS	3	21.3	11.2	16.3	+1.1	24.4	2	7.4	6	78	8	..	41	3	..
Secretary Island AWS	19	18.6	12.8	15.7	+0.7	23.9	21	7.5	5	169	13	-146	49	10	..
Puysegur Point AWS	44	16.3	12.9	14.6	+0.7	20.9	1	9.7	6	..	..	..	..	..	..
Stephens Island	187	19.8	13.9	16.9	+0.4	24.3	3	9.7	6	109	4	..	103	4	..
Motueka, Riwaka EWS	8	24.0	10.2	17.1	-0.5	26.5	20	3.5	6	38	3	-48	33	4	..
Pelorus Sd, Crail Bay	13	22.9	13.2	18.1	+0.1	26.8	19	8.9	6	60	3	-42	43	4	..
Nelson Aero	2	22.2	13.4	17.8	-0.1	26.4	13	7.5	6	32	4	-32	26	4	257
Appleby 2 EWS	18	22.3	10.0	16.2	-1.4	25.6	13	3.3	6	21	2	..	17	4	257
Nelson AWS	4	23.1	13.3	18.2	+0.0	25.5	13	7.7	6	28	3	..	24	4	..
Blenheim Research EWS	4	22.3	11.2	16.8	-1.0	29.8	20	..	..	19	2	-27	17	4	291
Wairau Valley, Mill R	172	24.6	10.3	17.5	..	32.7	1	3.6	6	64	2	..	64	4	..
Blenheim Aero AWS	35	24.3	9.6	17.0	-0.7	31.5	1	3.8	6	30	2	-19	29	4	..
Brothers Island AWS	68	19.2	14.5	16.9	+0.3	24.3	13	11.5	5	33	4	..	31	4	..
Awatere Valley, Dashw	83	22.0	9.1	15.6	-1.7	27.7	2	3.8	19	21	3	..	18	4	..
Grassmere Salt Works	2	22.0	13.9	18.0	+0.1	26.5	2	9.8	19	20	4	-17	18	4	..
Cape Campbell AWS	2	17.7	13.9	15.8	-1.0	19.6	3	10.6	5	20	3	-19	18	4	..
Boyle River Lodge	600	26.5	5.6	16.1	+0.8	33.5	1	-3.8	26	42	4	-79	39	4	..
Hanmer Forest EWS	363	25.5	5.4	15.5	-0.1	34.3	1	0.0	23	52	1	-12	52	4	..
Kaikoura AWS	105	19.1	12.8	16.0	-0.5	25.4	11	9.3	5	28	5	-24	23	4	..
Arthurs Pass	738	21.3	8.3	14.8	+1.7	27.2	1	2.2	6	53	3	-214	49	4	..
Arthurs Pass EWS	738	21.5	8.2	14.9	+1.4	27.6	1	2.2	6	52	3	-217	49	4	..
Culverden AWS	181	24.2	9.7	17.0	..	32.6	1	4.6	23	..	..	..	..	..	..
Waipara North Branch	560	23.1	9.3	16.2	..	32.1	1	3.6	23	28	2	..	27	4	..
Waiau School Cws	136	25.9	9.3	17.6	..	33.7	1	3.4	23	32	2	..	31	4	..
Cheviot EWS	75	22.6	8.5	15.6	..	32.0	11	2.1	23	27	4	..	23	4	265
Upper Rakaia EWS	1752	14.7	7.1	10.9	..	20.8	10	-3.7	5	62	6	..	45	4	..
Mt Potts EWS	2128	14.5	5.9	10.2	..	20.5	10	-6.1	5	41	4	..	34	4	..
Mt Cook EWS	730	24.7	8.6	16.7	+2.1	30.8	28	1.8	5	148	5	-112	77	3	229
Craigieburn Forest	914	23.9	6.1	15.0	+1.1	30.6	1	1.0	6	42	3	-53	35	4	..
Snowdon Raws	560	24.1	8.3	16.2	+0.7	33.0	1	2.6	24	37	2	..	34	4	..
Methven, Three Spring	305	21.7	9.3	15.5	..	29.0	1	5.1	24	34	6	..	29	4	..
Methven Cws	313	22.6	10.0	16.3	..	..	..	..	..	37	7	..	33	4	..
Chertsey Cws	108	21.7	10.5	16.1	..	28.9	10	4.1	23	21	6	..	19	4	..
Winchmore EWS	160	23.3	9.1	16.2	+0.0	30.2	1	3.8	23	27	5	-29	24	4	..
Peel Forest	286	22.4	8.8	15.6	+0.4	30.2	10	3.5	14	69	6	-31	46	4	..
Lismore, Racemans Hou	168	19.9	10.7	15.3	..	29.4	10	4.8	14	29	3	..	25	4	..
Ashburton Council	101	23.7	11.0	17.4	+0.6	32.1	10	5.8	14	24	8	-29	21	4	..
Ashburton Aero AWS	89	22.0	9.8	15.9	..	30.6	10	3.4	23	25	6	..	22	4	221
Wakanui Cws	53	21.0	10.2	15.6	..	29.1	10	4.1	23	21	5	..	19	4	..
Waipara West EWS	130	24.0	10.1	17.1	..	31.1	28	4.8	14	19	9	..	17	4	..
West Eyreton, Larunde	88	21.5	10.1	15.8	..	29.0	11	4.5	14	..	..	..	..	..	..
Rangiora EWS	23	22.6	9.6	16.1	-0.3	30.2	11	3.9	23	7	2	..	6	4	249
Darfield 2 Raws	212	23.2	9.5	16.4	..	..	..	3.4	23	32	4	..	30	4	..
Darfield	195	22.9	10.3	16.6	-0.5	28.9	1	5.1	23	30	2	-27	29	4	..
Christchurch Aero	37	22.3	10.9	16.6	-0.2	28.9	11	3.8	23	21	2	-22	19	4	235
Christchurch Gardens	7	22.6	11.0	16.8	-0.3	27.4	11	5.5	14	17	2	-25	16	4	..
Christchurch, Kyle St	6	22.7	11.9	17.3	+0.4	28.8	11	5.8	23	20	2	..	20	4	..
Christchurch, New Bri	12	18.1	13.5	15.8	..	23.6	11	8.0	23	..	..	..	..	..	..
Lincoln, Broadfield E	18	21.6	10.8	16.2	-0.4	27.4	1	3.1	23	21	3	-20	19	4	..
Sugar Loaf AWS	618	20.0	10.8	15.4	..	26.1	10	5.5	5	..	..	..	..	..	..
Lyttelton Harbour	5	19.8	14.0	16.9	-0.4	24.4	11	10.7	5	10	4	..	8	4	..
Leeston Raws	15	23.8	10.9	17.4	..	30.6	10	4.7	23	16	6	..	14	4	..
Dorie Cws @ Leferinks	55	22.9	11.2	17.1	..	30.3	10	4.7	23	26	7	..	21	4	..
Akaroa EWS	45	22.9	12.4	17.7	+0.6	29.9	1	7.6	23	30	4	-23	27	4	263
Le Bons Bay AWS	236	19.1	11.7	15.4	+0.0	25.0	11	6.3	5	20	4	..	17	4	..
Lake Tekapo, Air Safa	762	23.8	8.4	16.1	+1.3	30.5	10	3.0	6	42	3	+6	36	4	..

Summary of the records of Temperature, Rainfall and Sunshine February 2013

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			°C	°C	°C	Date				Min	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm	Hrs	
Lake Tekapo EWS	762	23.9	7.5	15.7	+0.9	30.4	28	1.8	6	45	2	..	39	4	281
Fairlie AWS	403	21.1	9.6	15.4	..	28.5	28	4.3	6	..	..	..	..	..	..
Pukaki Aerodrome AWS	473	27.2	6.7	17.0	..	33.8	1	2.1	6	37	4	..	23	4	..
Hakataramea Valley Cw	355	25.0	8.1	16.6	..	33.5	1	1.7	6	21	3	..	17	4	..
Orari Estate	81	22.1	10.5	16.3	+0.4	29.0	10	5.2	14	37	5	-28	34	4	..
Orari Estate Cws	81	21.3	10.4	15.9	..	29.1	10	5.4	14	37	6	..	33	4	..
Timaru Aero AWS	26	21.8	9.9	15.9	+0.4	27.5	10	4.1	14	23	6	-29	18	4	..
Timaru EWS	17	19.8	11.6	15.7	+0.0	27.3	14	7.1	6	22	5	-28	18	4	..
Waimate Cws	39	20.9	11.0	16.0	..	27.6	10	5.3	14	17	4	..	11	4	..
Oamaru Airport AWS	30	19.4	10.8	15.1	+0.2	25.6	10	5.7	6	18	4	-16	10	4	..
Albert Burn	1280	17.9	7.0	12.5	..	23.5	25	-1.0	5	74	4	..	30	4	..
Eglinton, Knobs Flat	365	21.6	8.2	14.9	..	26.6	24	2.1	6	45	6	..	16	3	..
Tara Hills AWS	488	26.4	7.2	16.8	+0.8	32.3	1	2.6	6	37	4	+4	22	3	..
Wanaka Aero AWS	352	25.4	11.0	18.2	+1.2	30.7	1	6.3	5	34	3	-1	18	4	..
Naseby Forest 2	607	23.1	7.0	15.1	+1.2	31.0	1	3.0	2	46	3	-9	33	4	..
Windsor EWS	81	21.5	9.5	15.5	+0.6	29.5	10	3.8	24	16	3	-34	11	4	..
Ranfurly EWS	450	24.1	7.0	15.6	+1.2	31.6	1	1.8	24	32	2	-5	21	4	..
Oamaru AWS	40	18.9	10.2	14.6	-0.6	23.6	3	5.5	24	19	5	..	15	4	..
Palmerston	21	20.3	9.1	14.7	+0.0	30.2	10	2.2	22	23	4	-33	14	4	171
Middlemarch EWS	213	24.3	7.4	15.9	+1.0	33.1	1	0.0	22	20	3	..	10	3	187
Swampy Summit AWS	722	17.0	7.9	12.5	..	26.0	10	1.9	5	..	..	..	..	..	..
Dunedin Aero AWS	1	21.4	8.8	15.1	+0.3	29.4	10	-0.3	22	33	6	-30	18	4	..
Dunedin, Musselburgh	4	18.9	11.9	15.4	+0.4	26.7	10	5.5	22	31	6	-37	14	4	191
Takahe Valley Cws	895	16.9	6.2	11.6	..	23.5	25	1.3	13	60	10	..	20	10	..
Manapouri, West Arm J	178	21.0	9.1	15.1	+1.0	26.9	25	2.5	5	77	9	..	33	10	..
Manapouri Aero AWS	209	21.2	8.5	14.9	+0.6	27.0	18	1.0	22	43	5	-42	23	10	..
Birchwood Wxt AWS	147	19.5	9.9	14.7	..	27.3	1	2.3	22	..	..	..	..	..	..
Queenstown	329	25.0	11.1	18.1	+1.4	30.5	1	5.9	5	53	3	-8	26	3	228
Queenstown Aero AWS	354	23.5	9.1	16.3	+0.9	28.8	1	4.4	6	47	3	-1	25	3	270
Lumsden AWS	187	21.2	8.7	15.0	+0.7	27.6	1	1.4	22	33	6	..	12	3	..
Riversdale Aquifer @	125	21.7	9.1	15.4	..	29.1	1	0.8	22	22	7	..	9	4	..
Cromwell EWS	213	26.3	9.9	18.1	+0.8	32.3	25	5.6	5	38	3	..	18	3	268
Lauder EWS	375	26.1	7.3	16.7	+1.1	33.0	28	2.2	6	30	3	-9	14	3	..
Ophir 2	305	25.3	5.9	15.6	..	31.1	19	1.0	24	33	4	..	22	4	..
Alexandra	150	27.5	10.5	19.0	+1.5	35.2	1	6.0	24	40	4	..	22	3	238
Alexandra Cws	140	26.5	10.4	18.5	..	34.6	1	6.2	24	44	6	..	23	4	..
Clyde 2 EWS	170	26.0	9.2	17.6	..	33.8	1	4.5	24	40	4	..	22	4	..
Roxburgh Wxt AWS	160	23.0	10.6	16.8	..	31.7	28	5.3	22	..	..	..	..	..	..
Ettrick No.2	91	24.1	8.4	16.3	+0.8	30.8	1	2.0	22	23	3	-35	12	3	..
Tapanui	180	21.4	8.6	15.0	+0.7	..	..	0.4	22	19	7	-64	13	4	..
Waitutu Cws	30	19.4	9.0	14.2	..	27.2	1	2.5	22	..	..	..	..	..	..
Winton 2	44	21.2	9.9	15.6	+1.3	28.0	28	2.5	22	27	7	-52	9	11	165
Gore AWS	123	20.1	9.7	14.9	+0.8	27.8	1	1.7	22	23	6	-62	8	3	..
Invercargill Aero		19.4	9.3	14.4	+0.5	26.5	28	0.4	22	40	10	-47	10	12	179
Invercargill Aero AWS	1	19.6	9.1	14.4	+0.5	26.7	28	0.7	22	38	7	..	10	12	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	39	8	..	10	12	172
Tiwai Point EWS	5	19.2	10.5	14.9	+0.5	25.6	20	4.7	22	36	7	-47	12	13	..
Balclutha, Telford Ew	11	19.5	9.0	14.3	..	27.6	9	-0.2	22	28	7	..	14	3	222
Nugget Point AWS	129	18.3	10.9	14.6	+0.7	27.6	1	7.4	22	29	9	-36	14	3	..
Tautuku	25	19.7	9.4	14.6	+0.9	28.5	9	3.5	22	25	6	-73	8	12	..
South West Cape AWS	101	15.9	11.5	13.7	+0.7	21.5	2	6.7	13	95	14	+2	31	10	..
Solomon, Taro Is	3	31.9	24.8	28.4	..	33.8	18	..	..	..	..	..	..	..	..
Solomon, Munda	6	31.4	24.1	27.8	..	33.4	17	..	..	..	..	..	..	..	..
Solomon, Auki	11	..	24.5	..	..	..	..	23.7	7	343	16	..	130	26	..
Solomon, Honiara	56	31.9	24.1	28.0	..	34.0	15	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.7	23.5	27.6	..	33.9	15	..	..	..	..	..	..	..	..
Nauru Upper Air	6	31.1	26.2	28.7	..	32.2	26	24.5	14	..	..	..	..	..	..
Solomon, Santa Cruz	24	..	24.5	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	31.5	23.9	27.7	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	31.2	23.0	27.1	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Lamap	22	32.8	24.3	28.6	..	..	..	22.4	3	229	16	..	110	28	..
Vanuatu, Bauerfield	20	30.6	22.1	26.4	..	..	..	19.5	26	254	19	..	54	13	..
Vanuatu,Burtonfield	70	30.6	21.5	26.1	..	..	..	19.0	3	195	13	..	139	17	..

Summary of the records of Temperature, Rainfall and Sunshine February 2013

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Vanuatu,Aneityum	6	30.2	22.3	26.3	..	..	..	17.0	9	263	15	..	90	16	..
New Cal, Koumac	18	29.8	24.6	27.2	..	..	..	..	..	43	9	..	29	16	..
New Cal, Oulop	7	29.5	24.7	27.1	..	30.9	7	..	..	..	..	..	..	..	..
New Cal, Ouanaham	29	29.5	22.0	25.8	..	31.5	8	16.9	8	..	..	..	..	..	..
New Cal, Poinoimie	13	28.5	23.9	26.2	..	31.5	8	..	..	..	..	..	..	..	..
New Cal, La Roche	42	29.1	20.2	24.7	..	30.3	7	14.7	8	..	..	..	..	..	..
New Cal, La Tontouta	14	32.2	20.5	26.4	..	36.1	21	17.1	28	..	..	..	..	..	..
New Cal, Nouma	72	28.2	24.5	26.4	..	..	..	..	..	..	..	..	..	..	..
New Cal, Moue	97	27.7	22.8	25.3	..	29.7	6	..	..	..	..	..	..	..	..
Kiribati,Tarawa	2	30.6	25.6	28.1	..	..	..	24.2	12	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.3	25.6	28.5	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	26.4	..	..	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	30.6	23.2	26.9	..	33.3	17	21.8	12	..	..	..	..	..	..
Fiji, Nadi EWS	15	30.5	23.1	26.8	..	33.2	17	21.7	6	452	22	..	96	21	..
Fiji,Nausori Aero	6	30.8	23.2	27.0	..	..	..	21.5	27	..	..	..	..	..	..
Wallis Island, Hihifo	27	30.9	25.4	28.2	..	31.7	26	23.4	10	..	..	..	..	..	..
Maopopo, Futuna Isla	36	31.1	25.5	28.3	..	32.7	7	24.2	22	224	18	..	76	4	..
Samoa,Faleolo	4	30.2	24.4	27.3	..	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.8	25.2	28.0	..	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.9	25.6	28.3	..	32.7	26	24.1	9	..	..	..	..	..	..
Tonga, Queen Lavinia	60	30.6	24.0	27.3	..	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	29.4	23.2	26.3	..	..	..	19.5	10	..	..	..	..	..	..
Salote Pilelevu Airpo	2	29.6	24.6	27.1	..	..	..	22.8	26	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	29.8	23.5	26.7	..	..	..	20.1	2	..	..	..	..	..	..
Niue, Hanan Airport O	59	..	22.8	..	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	28.4	..	..	..	30.1	27	..	..	..	..	..	..	..	..
Rarotonga EWS	7	28.4	23.1	25.8	..	30.0	27	19.8	11	73	9	..	37	5	..
Vanuatu, Saratamata	18	30.9	23.3	27.1	..	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	32.8	23.7	28.3	..	34.7	28	22.8	7	9	5	..	7	15	..
Tahiti - Faaa	1	30.7	24.9	27.8	..	32.4	26	23.2	22	..	..	..	..	..	..
Tuamotu, Takaroa	2	29.1	26.8	28.0	..	30.1	11	22.3	20	..	..	..	..	..	..
Tuamotu, Hao	3	30.1	25.3	27.7	..	31.0	17	21.9	21	..	..	..	..	..	..
Tuamotu, Hereheretue	3	31.1	25.8	28.5	..	32.9	25	22.3	14	216	15	..	44	23	..
Gambier, Rikitea	91	28.0	23.2	25.6	..	29.8	1	20.7	7	235	22	..	82	6	..
Tubuai	2	27.6	23.1	25.4	..	..	..	..	..	..	..	..	..	..	..
Rapa	1	24.9	21.4	23.2	..	27.6	12	17.9	19	143	10	..	55	7	..
Pitcairn Island AWS	264	25.8	21.4	23.6	..	27.5	20	18.8	10	217	21	..	35	14	..
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	119
Raoul Island AWS	49	24.6	20.0	22.3	..	27.2	18	17.9	13	204	18	..	97	27	..
Enderby Is AWS	40	12.7	8.9	10.8	..	..	..	..	..	109	22	..	31	20	..
Campbell Island AWS	19	11.6	8.0	9.8	+0.3	15.9	27	3.1	13	56	18	-50	12	28	..
Chatham Island EWS	12	19.4	12.7	16.1	..	24.5	2	6.0	14	84	10	..	43	5	..
Chatham Island Aero A	12	19.6	12.9	16.3	..	24.9	2	6.1	14	88	13	..	44	5	..
Georg Von Neumayer	40	-5.2	-12.6	-8.9	..	-0.1	10	-20.8	20	..	..	..	..	..	..
Ant South Pole	2827	-41.9	-45.1	-43.5	..	-31.6	1	-53.5	28	..	..	..	..	..	..
Halley Bay	30	-7.3	-16.4	-11.9	..	-3.5	11	-22.0	23	..	..	..	..	..	..
Gen Belgrano 2	32	-2.7	-9.7	-6.2	..	..	..	..	..	..	..	..	..	..	..
Bellingshausen	16	2.0	..	..	..	3.7	23	..	..	..	..	..	..	..	..
Base Jubany	4	3.5	-0.8	1.4	..	8.4	24	-5.3	20	..	..	..	..	..	..
Dinamet	10	3.2	-0.4	1.4	..	25.9	10	-4.4	20	..	..	..	..	..	..
V C Marambio	198	1.4	-4.0	-1.3	..	13.8	24	-11.6	20	..	..	..	..	..	..
Eduardo Frei	10	2.0	-0.6	0.7	..	3.8	15	-4.5	20	36	14	..	11	15	..
Arturo Prat	..	3.5	0.4	2.0	..	7.8	23	-3.5	20	..	..	..	..	..	..
Great Wall	10	3.7	-0.2	1.8	..	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	1.3	-1.4	-0.1	..	4.3	21	-6.2	20	24	9	..	9	15	..
Palmer Station	8	3.7	0.6	2.2	..	6.6	20	-2.4	20	..	..	..	..	..	..
Rothera Point	16	2.9	-0.4	1.3	..	5.5	23	-3.0	19	..	..	..	..	..	..
Argentine Is, Faraday	11	2.7	-0.2	1.3	..	6.5	14	-3.1	14	..	..	..	..	..	..
Gen San Martin	4	4.5	-0.4	2.1	..	6.9	9	-5.8	19	..	..	..	..	..	..
King Sejong	11	2.8	-0.1	1.4	..	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-1.7	-5.3	-3.5	..	2.0	12	-8.7	21	..	..	..	..	..	..
Mawson	16	-0.9	-7.8	-4.4	..	..	..	..	..	..	..	..	..	..	..
Davis	13	0.6	-4.9	-2.2	..	4.4	1	-9.8	25	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine — Late returns

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Vanuatu, Lamap	22	32.1	24.5	28.3	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	30.6	22.3	26.5	..	..	..	19.0	18	..	..	..	..	..
Vanuatu, Burtonfield	70	29.8	21.5	25.7	..	..	..	..	..	..	..	..	..	..
Vanuatu, Aneityum	6	29.7	22.7	26.2	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	28.8	24.4	26.6	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	29.0	24.8	26.9	..	30.2	23	22.9	14	..	..	..	..	..
New Cal, Ouanaham	29	28.9	21.9	25.4	..	30.2	30	17.7	22	..	..	..	..	..
New Cal, Poinoimie	13	28.7	21.9	25.3	..	30.9	2	-40.0	9	..	..	..	..	..
New Cal, La Tontouta	14	30.2	20.0	25.1	..	35.5	24	17.0	17	..	..	..	..	..
New Cal, Nouma	72	27.5	24.1	25.8	..	30.8	24	21.7	17	..	..	..	..	..
New Cal, Moue	97	27.2	22.4	24.8	..	29.3	23	20.7	6	..	..	..	..	..
Kiribati, Tarawa	2	30.9	26.2	28.6	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	30.2	25.1	27.7	..	31.9	25	23.9	29	..	..	..	..	..
Maopoopo, Futuna Isla	36	31.2	25.4	28.3	..	34.7	7	23.9	2	..	..	..	..	..
Samoa, Faleolo	4	30.6	24.0	27.3	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.0	24.9	27.5	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.9	25.5	27.7	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	28.6	..	..	..	30.9	20	..	..	..	..	..	..	..
Vanuatu, Saratamata	18	31.0	23.8	27.4	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	31.5	23.7	27.6	..	34.6	22	22.2	18	..	..	..	..	..
Tahiti - Faaa	1	30.0	23.7	26.9	..	32.0	1	22.3	19	..	..	..	..	..
Tuamotu, Takarua	2	28.8	26.3	27.6	..	29.8	15	22.7	2	..	..	..	..	..
Tuamotu, Hao	3	29.6	25.3	27.5	..	30.3	13	21.8	5	..	..	..	..	..
Tuamotu, Hereheretue	3	30.4	25.2	27.8	..	..	..	..	..	..	..	..	..	..
Tubuai	2	27.4	22.5	25.0	..	..	..	18.7	23	..	..	..	..	..
Rapa	1	24.2	20.8	22.5	..	26.3	25	..	..	..	..	..	..	..
Raoul Island AWS	49	25.3	19.7	22.5	..	28.6	14	16.5	9	190	19	..	98	4	
Enderby Is AWS	40	12.2	8.4	10.3	..	14.2	28	4.9	3	166	27	..	17	18	
Chatham Island Aero A	12	20.5	12.0	16.3	..	26.0	11	5.2	20	92	12	..	30	7	
Georg Von Neumayer	40	-1.2	-7.2	-4.2	..	1.1	13	-15.8	27	..	..	..	..	..
Ant South Pole	2827	-25.0	-28.3	-26.7	..	-20.8	29	-32.4	31	..	..	..	..	..
Gen Belgrano 2	32	0.7	-5.3	-2.3	..	..	..	..	..	..	..	..	..	..
Base Jubany	4	2.8	-0.9	1.0	..	6.5	19	-2.7	28	..	..	..	..	..
Dinamet	10	1.8	-0.5	0.7	..	3.6	11	-2.7	17	..	..	..	..	..
V C Marambio	198	0.3	-4.2	-2.0	..	7.3	19	-8.0	27	..	..	..	..	..
Arturo Prat		2.8	0.6	1.7	..	..	..	-1.8	5	..	..	..	..	..
Great Wall	10	3.2	-0.3	1.5	..	7.3	17	..	..	..	..	..	..	..
Bernado Ohiggins	10	1.3	-1.2	0.1	..	5.4	3	-4.6	26	..	..	..	..	..
Palmer Station	8	4.1	1.2	2.7	..	8.7	8	-0.6	4	..	..	..	..	..
Gen San Martin	4	4.7	-0.1	2.3	..	7.6	9	-4.2	4	..	..	..	..	..
King Sejong	11	2.7	-0.7	1.0	..	..	..	-2.6	19	..	..	..	..	..
Mawson	16	2.2	-2.7	-0.3	..	4.0	18	-8.1	31	..	..	..	..	..
Davis	13	3.7	-0.6	1.6	..	..	..	..	..	..	..	..	..	..
Casey	41	2.9	-2.3	0.3	..	6.0	8	-7.4	31	..	..	..	..	..
Wilkins Runway East	755	-1.6	-8.8	-5.2	..	3.2	21	-15.1	26	..	..	..	..	..
Durmout Durville	43	1.9	-2.4	-0.3	..	5.6	1	-6.1	25	..	..	..	..	..
Mcmurdo	24	0.3	-4.6	-2.2	..	4.0	17	-11.0	31	..	..	..	..	..
Casey, Skiway South	392	1.8	-6.1	-2.2	..	..	..	..	..	..	..	..	..	..
Darwin Airport	31	32.6	19.8	26.2	..	..	..	..	..	..	..	..	..	..
Hobart Airport	4	27.0	12.8	19.9	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for December 2012															
North Shore, Auckland	20	22.1	16.5	19.3	+0.9	..	..	..	..	..	..	..	..	..
Lincoln Rd, Auckland	25	22.6	15.5	19.1	+1.2	26.0	29	9.3	9	..	..	..	..	..
Musick Pt Ews, Auckla	18	21.8	14.9	18.4	+0.9	24.9	30	11.0	1	..	..	..	..	..
Pakuranga, Auckland R	15	24.0	15.4	19.7	+1.8	27.2	23	9.1	1	..	..	..	..	..
Penrose Ews, Auckland	30	22.1	14.3	18.2	+0.4	25.6	30	9.5	4	..	..	..	..	..
Waitutu Cws	30	18.4	7.9	13.2	..	27.3	25	3.3	15	..	..	..	..	..
Stewart Is	3	17.7	9.5	13.6	+1.2	24.0	20	4.0	27	179	15	+55	48	31	
Late returns and corrections for November 2012															
Lincoln Rd, Auckland	25	18.9	11.4	15.2	-0.8	21.7	23	6.4	8	..	..	..	..	..
Musick Pt Ews, Auckla	18	18.7	11.2	15.0	-0.6	21.3	23	9.2	21	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine — Late returns

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall				Bright Sun—shine	
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall		Date
Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs	
Waitutu Cws	30	15.6	5.2	10.4	..	21.9	9	-0.3	6	..	..	..	..	..
Stewart Is	3	14.5	6.7	10.6	-0.3	20.0	9	0.5	4	121	21	-8	30	1	133
Late returns and corrections for October 2012															
Lincoln Rd, Auckland	25	17.9	10.3	14.1	-0.5	22.4	8	4.4	24	..	..	..	..	..
Waitutu Cws	30	12.8	5.1	9.0	..	21.0	29	1.5	20	..	..	..	..	..
Late returns and corrections for September 2012															
Lincoln Rd, Auckland	25	16.5	9.5	13.0	+0.0	..	..	..	..	..	..	..	..	..
Waitutu Cws	30	13.4	4.3	8.9	..	23.0	29	0.4	13	..	..	..	..	..
Late returns and corrections for August 2012															
Lincoln Rd, Auckland	25	16.2	7.9	12.1	+0.1	18.7	19	4.3	25	..	..	..	..	..
Waitutu Cws	30	12.0	2.0	7.0	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for July 2012															
Lincoln Rd, Auckland	25	15.0	6.9	11.0	-0.2	17.7	23	0.1	9	..	..	..	..	..

The 'Normal' refers to the present site of the instruments. Standard period for normals is 1981-2010.

No normals are available for stations with only short records.

A rain day is a day with rainfall equal to or greater than 0.1 mm.

Where the extremes of temperature and rainfall occurred more than once during the month, the date of the first is given.